

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0850030567](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Right Angle, Through Hole, Style C, 0.6µm (24µ") Selective Gold (Au), 96 Circuits, Lead free

Documents:

3D Model	Product Specification PS-85003-0001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85003
Application	Daughtercard
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C

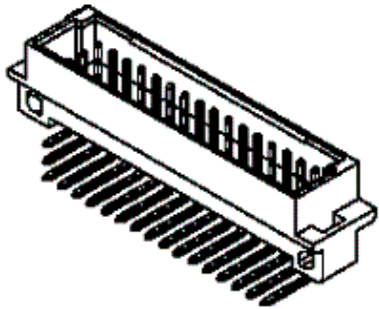
Physical

Circuits (Loaded)	96
Circuits (maximum)	96
Durability (mating cycles max)	400
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	Yes
Number of Columns	16
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Solder Process Data



Series
image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

Not Reviewed

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[85003Series](#)

Mates With
[85042](#) DIN 41612 Receptacle. [85052](#) DIN
41612 Header

Lead-free Process Capability

Wave Capable (TH only)

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-85003-001

Product Specification

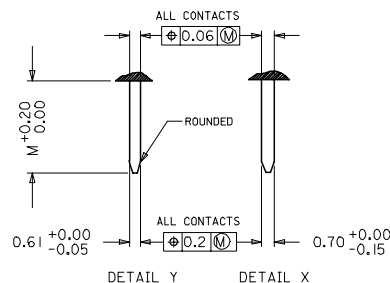
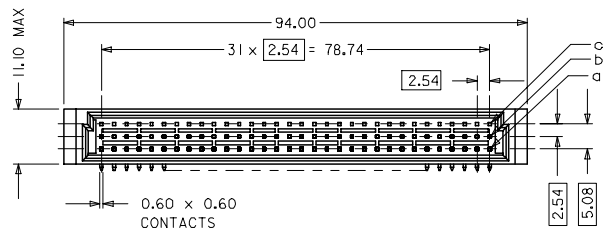
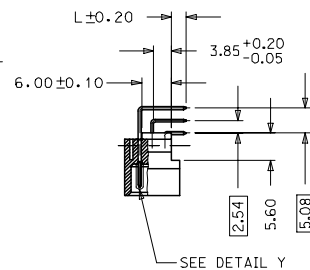
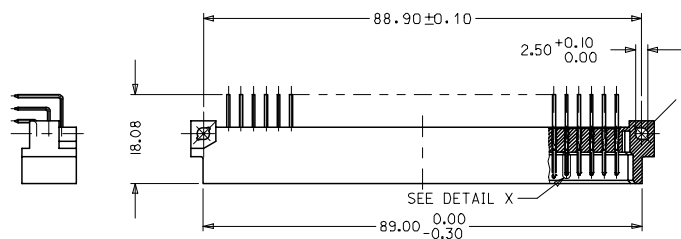
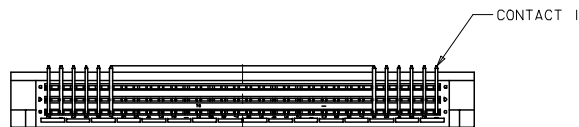
PS-85003-0001

Sales Drawing

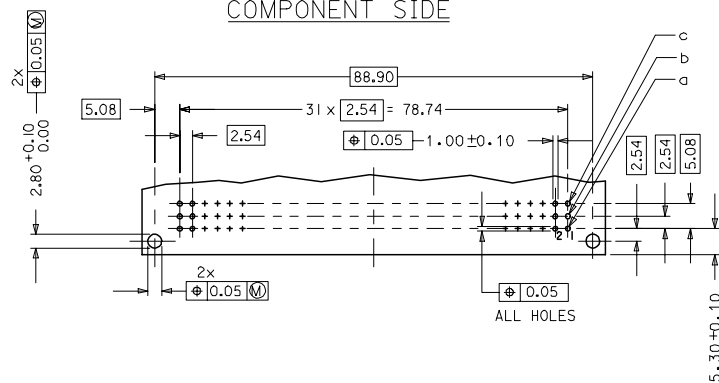
SD-85003-0001, SD-85003-0567

This document was generated on 05/17/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



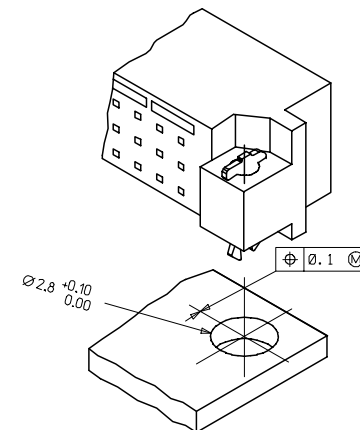
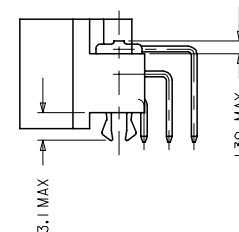
RECOMMENDED PCB LAYOUT COMPONENT SIDE



LMFB	CONTACTS	4.2
FMLB	CONTACTS	5.4
NORMAL	CONTACTS	4.8
		M

WITH MOUNTING CLIPS

8 ± 1



NOTES:

- MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - BRASS
MOUNTING CLIP: STEEL
- FINISH: CONTACT AREA
 - PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
 - PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
 - PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETERTERMINATION AREA: SELECTIVE TIN, THICKNESS = 2.5 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER OVERALL
- MOUNTING CLIP:-
TIN (Sn), THICKNESS = 5-10 MICROMETER,
OVER NICKEL (Ni), THICKNESS = 2.5 MICROMETER
- FOR NON MOUNTING CLIP OPTION, CONNECTOR TO BE SECURED WITH
RIVETS: 2 TUBULAR RIVETS 2.5 x 0.3 ... DIN 7340
SCREWS: 2 CHEESEHEAD SCREWS M2.5 x DIN 84 AND 2 HEXAGONAL NUTS M2.5 DIN 934
- STANDARD MARKING: MOLEX, MATERIAL NUMBER, BATCH CODE
- CUT FACE OF TIP WITHOUT PLATING PERMITTED
- PRODUCT SPECIFICATION PS : 85003-0001

RoHS COMPLIANT

ENTER DESCRIPTION ECN NO: 2007-0093 DRAWN BY: JRENG 2007/01/08 CHKD: SJSUHR 2007/01/08 APPR: AKRASH 2007/01/09	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		mm	INCH	DRAWN BY	DATE	TITLE	ASSEMBLY, DIN 41612 C MALE 96 POS			
		4 PLACES ±	±	SS	1999/09/09					
		3 PLACES ±0.05	±	CHECKED BY	DATE					
2 PLACES ±0.1	±	GJLOWE	1999/09/09							
1 PLACE ±0.15	±	APPROVED BY	DATE							
		GJLOWE	1999/09/09							
		ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE		SEE CHART		SD-85003-0001		1 OF 12		
		MUST REMAIN WITHIN DIMENSIONS		SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

A = 32 STANDARD CONTACTS L = 3
B = 32 STANDARD CONTACTS L = 3
C = 32 STANDARD CONTACTS L = 3

S = 96 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/O = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-85003-000I SHT 1

C	G2/O	c I-32
B	G2/O	b I-32
A	G2/O	a I-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO1 2004-XXXX DIN N5. 09/09/03 APPR G.L. 09/09/03 C	QUALITY SYMBOLS MAJOR = CRITICAL =	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION TITLE: 66 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT	DIMENSIONS:		MM	REV
					mm INCH		mm INCH	MM ONLY	SWT ON CAD ONLY	
		mm	INCH	DRAWN BY & DATE						
		4 PLACES	± 0.1	$\pm$	S.S. 09/09/1999					
		3 PLACES	± 0.1	$\pm$	CHECKED BY & DATE					
		2 PLACES	± 0.1	$\pm$	G.L. 09/09/1999					
		1 PLACE	± 0.1	$\pm$	APPROVED BY & DATE					
					G.L. 09/09/1999					
					CAD FILENAME		MATERIAL NO.	DRAWING NO.	SHEET NO.	
					SD-85003-0567.S0		850003-0567	SD-850003-0567	1 OF 1	
REV		DRAFT HERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				SIZE